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OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/754,998

DATE: 06/14/2001

TIME: 10:23:50

Input Set : N:\Crf3\RULE60\09754998.txt

Output Set: N:\CRF3\06142001\I754998.raw

SEQUENCE LISTING

3 (1) GENERAL INFORMATION:

5 (i) APPLICANT: Rinderknecht, Ernst H.
6 Zapata, Gerardo A.

8 (ii) TITLE OF INVENTION: ANTIBODY PURIFICATION

10 (iii) NUMBER OF SEQUENCES: 2

12 (iv) CORRESPONDENCE ADDRESS:

13 (A) ADDRESSEE: Genentech, Inc.
14 (B) STREET: 460 Point San Bruno Blvd
15 (C) CITY: South San Francisco
16 (D) STATE: California
17 (E) COUNTRY: USA.
18 (F) ZIP: 94080

20 (v) COMPUTER READABLE FORM:

21 (A) MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
22 (B) COMPUTER: IBM PC compatible
23 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
24 (D) SOFTWARE: patin (Genentech)

26 (vi) CURRENT APPLICATION DATA:

C--> 27 (A) APPLICATION NUMBER: US/09/754,998
C--> 28 (B) FILING DATE: 04-Jan-2001
29 (C) CLASSIFICATION:

31 (vii) PRIOR APPLICATION DATA:

32 (A) APPLICATION NUMBER: 08/811,757
33 (B) FILING DATE:

35 (viii) ATTORNEY/AGENT INFORMATION:

36 (A) NAME: Lee, Wendy M.
37 (B) REGISTRATION NUMBER: 00,000
38 (C) REFERENCE/DOCKET NUMBER: 941

40 (ix) TELECOMMUNICATION INFORMATION:

41 (A) TELEPHONE: 415/225-1994
42 (B) TELEFAX: 415/952-9881
43 (C) TELEX: 910/371-7168

45 (2) INFORMATION FOR SEQ ID NO: 1:

47 (i) SEQUENCE CHARACTERISTICS:

48 (A) LENGTH: 214 amino acids
49 (B) TYPE: amino acid
50 (D) TOPOLOGY: linear

52 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

54	Asp	Val	Gln	Met	Thr	Gln	Thr	Thr	Ser	Ser	Leu	Ser	Ala	Ser	Leu
55	1				5				10					15	
57	Gly	Asp	Arg	Val	Thr	Ile	Asn	Cys	Arg	Ala	Ser	Gln	Asp	Ile	Asn
58					20				25					30	
60	Asn	Tyr	Leu	Asn	Trp	Tyr	Gln	Gln	Lys	Pro	Asn	Gly	Thr	Val	Lys
61					35				40					45	
63	Leu	Leu	Ile	Tyr	Tyr	Thr	Ser	Thr	Leu	His	Ser	Gly	Val	Pro	Ser
64					50				55					60	

ENTERED

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```

66 Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Ser Leu Thr Ile
67                               65              70              75
69 Ser Asn Leu Asp Gln Glu Asp Ile Ala Thr Tyr Phe Cys Gln Gln
70                               80              85              90
72 Gly Asn Thr Leu Pro Pro Thr Phe Gly Gly Gly Thr Lys Leu Glu
73                               95             100             105
75 Ile Arg Arg Ala Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro
76                               110            115            120
78 Ser Asp Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu
79                               125            130            135
81 Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val
82                               140            145            150
84 Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu Ser Val Thr Glu
85                               155            160            165
87 Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser Thr Leu Thr
88                               170            175            180
90 Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr Ala Cys Glu
91                               185            190            195
93 Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser Phe Asn
94                               200            205            210
96 Arg Gly Glu Cys
97                               214

```

99 (2) INFORMATION FOR SEQ ID NO: 2:

101 (i) SEQUENCE CHARACTERISTICS:

102 (A) LENGTH: 232 amino acids

103 (B) TYPE: amino acid

104 (D) TOPOLOGY: linear

106 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

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108 Glu Val Gln Leu Gln Gln Ser Gly Pro Glu Leu Val Lys Pro Gly
109 1              5              10              15
111 Ala Ser Val Lys Ile Ser Cys Lys Thr Ser Gly Tyr Thr Phe Thr
112              20              25              30
114 Glu Tyr Thr Met His Trp Met Lys Gln Ser His Gly Lys Ser Leu
115              35              40              45
117 Glu Trp Ile Gly Gly Phe Asn Pro Lys Asn Gly Gly Ser Ser His
118              50              55              60
120 Asn Gln Arg Phe Met Asp Lys Ala Thr Leu Ala Val Asp Lys Ser
121              65              70              75
123 Thr Ser Thr Ala Tyr Met Glu Leu Arg Ser Leu Thr Ser Glu Asp
124              80              85              90
126 Ser Gly Ile Tyr Tyr Cys Ala Arg Trp Arg Gly Leu Asn Tyr Gly
127              95             100             105
129 Phe Asp Val Arg Tyr Phe Asp Val Trp Gly Ala Gly Thr Thr Val
130              110            115            120
132 Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu
133              125            130            135
135 Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly
136              140            145            150
138 Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp

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139		155		160		165
141	Asn Ser Gly Ala	Leu Thr Ser Gly Val	His Thr Phe Pro	Ala Val		
142		170		175		180
144	Leu Gln Ser Ser	Gly Leu Tyr Ser Leu	Ser Ser Val Val	Thr Val		
145		185		190		195
147	Pro Ser Ser Ser	Leu Gly Thr Gln Thr	Tyr Ile Cys Asn	Val Asn		
148		200		205		210
150	His Lys Pro Ser	Asn Thr Lys Val Asp	Lys Lys Val Glu	Pro Lys		
151		215		220		225
153	Ser Cys Asp Lys	Thr His Thr				
154		230		232		

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/754,998

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TIME: 10:23:51

Input Set : N:\Crf3\RULE60\09754998.txt

Output Set: N:\CRF3\06142001\I754998.raw

L:27 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:28 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]